Amendments to the Claims

This listing of the claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A method of positioning a main stent at a vessel bifurcation such that a side opening in the main stent is positioned at the ostium of a branch vessel, comprising:

positioning a main guidewire in the main vessel such that a distal end of the main guidewire extends past the bifurcation;

advancing a stent delivery system over the main guidewire to a position proximate the bifurcation, the stent delivery system comprising a catheter with a flexible side sheath attached thereto, wherein the catheter is received over the main guidewire, and wherein the main stent is positioned over the catheter with the flexible side sheath positioned to pass through the interior of the main stent and out of the side opening in the main stent;

subsequently, advancing a branch guidewire through the flexible side sheath attached to the catheter and into the branch vessel; and

subsequently, advancing the catheter over the main guidewire while advancing the flexible side sheath over the branch guidewire while viewing relative movement of a marker positioned on the flexible side sheath with respect to at least one marker positioned on the catheter, wherein the relative movement indicates that a portion of the flexible side sheath adjacent the side opening in the main stent is advancing into the ostium of the branch vessel, thereby indicating the position of the side opening of the main stent with respect to the ostium of the branch vessel.

2. (Original) The method of claim 1, wherein viewing relative movement of a marker positioned on the flexible side sheath with respect to at least one marker positioned on the catheter, comprises: viewing an increasing separation distance between the marker positioned on the flexible side sheath with respect to at least one marker positioned on the catheter as the catheter is advanced over the first guidewire while the flexible side sheath is simultaneously advanced over the second guidewire.

3. (Original) The method of claim 1, wherein, viewing the at least one marker positioned on the catheter comprises viewing markers positioned adjacent the distal and proximal ends of the main stent.

4. (Original) The method of claim 1, further comprising: at least partially deploying the main stent within the main vessel.

5. (Original) The method of claim 4, further comprising: advancing a distal end of a second catheter over the branch guidewire and into the branch vessel.

6. (Original) The method of claim 5, further comprising: deploying a branch stent with in the branch vessel, wherein the branch stent is positioned on the distal end of the second catheter.

7. (Currently Amended) A method of positioning a main stent at a vessel bifurcation such that a side opening in the main stent is positioned at the ostium of a branch vessel, comprising:

positioning a main guidewire in the main vessel such that a distal end of the main guidewire extends past the bifurcation;

advancing a stent delivery system over the main guidwire to a position proximate the bifurcation, the stent delivery system comprising a catheter with a flexible side sheath attached thereto, wherein the catheter is received over the main guidewire, and wherein the main stent is positioned over the catheter with the flexible side sheath positioned to pass through the interior of the main stent and out of the side opening in the main stent;

subsequently, advancing a branch guidewire through the flexible side sheath and into the branch vessel; and

subsequently, advancing the catheter over the main guidewire while advancing the flexible side sheath over the branch guidewire such that the side opening in the main stent is positioned at the ostium of a branch vessel.

8. (Original) The method of claim 7, wherein advancing the flexible side sheath over the branch guidewire such that the side opening in the main; stent is positioned at the ostium of

a branch vessel, comprises: advancing the flexible side sheath over the branch guidewire such that a distal end of the flexible side sheath is advanced into the ostium of the branch vessel.

9. (Original) The method of claim 8, further comprising: viewing relative movement of a marker positioned on the flexible side sheath with respect to at least one marker positioned on the catheter, wherein the relative movement indicates that a portion of the flexible side sheath adjacent the side opening in the main stent is advancing into the ostium of the branch vessel, thereby indicating the position of the side opening of the main stent with respect to the ostium of the branch vessel.

10-23. (Canceled)